

## SMG3000 Three Phase Meter



### I. Introduction

SMG3000 Three phase Meter a high precision instrument for measurement of three-phase electric parameters, it can be used to measure the three phase voltage, current and phase angle, frequency, power, power factor and so on.

### II. Features

1. Measure three-phase voltages and four lines of current (includes zero line current) at the same time;
2. Measure the three-phase ac voltage phase angle, current phase angle and power phase angle at the same time;
3. Measure power grid frequency and phase sequence;
4. Discriminate transformer winding, recognize, capacitive load and perceptual load automatically
5. Show hexagon vector diagram; do color sequence analysis;
6. Measure active power, reactive power, apparent power, three-phase power and power factor;
7. Data storage and view function;
8. Data static storage function;
9. 3.5 inch TFT color display with finger touch function;
10. Lithium battery power supply, rechargeable continuous standby for more than 20 hours

### III. Parameters

Type	Measuring range	Unit	Error	Resolution rate
Voltage	1~500	V	0.5% $\times$ measuring range	0.01V
Current	0.001~10	A	0.5% $\times$ measuring range	0.0001A
Active power	0.001~5000	W	0.5% $\times$ reading (PF=1)	0.1W
Reactive power	0.001~5000	VAR	0.5% $\times$ reading (PF=0)	0.1VAR
Apparent power	0.001~5000	VA	0.5% $\times$ reading	0.1VA
Frequency	45~65	HZ	0.1% $\times$ reading	0.01HZ
Phase position	0~360	$^{\circ}$	$\pm 2^{\circ}$	0.1 $^{\circ}$

**Note: Error is  $\pm 3^{\circ}$  when current is 1mA-5mA**